

Converting Colors

XYZ(10.2520, 12.0940, 18.9958)

Have a look what the booklet for
XYZ(10.2520, 12.0940, 18.9958)
contains.

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Color

**XYZ(10.2346, 12.0985,
18.9354)**

Conversions

Conversions Part 1

Format	Color
Hex	406776
RGB	64, 103, 118
RGB Percent	25%, 40%, 46%
CMY	0.7490, 0.5961, 0.5373
CMYK	0.46, 0.13, 0.00, 0.54
HSL	197°, 30%, 36%
HSV	197°, 46%, 46%
XYZ	10.2346, 12.0985, 18.9354
YIQ	93.0490, -28.0590, -3.6030

Conversions

Conversions Part 2

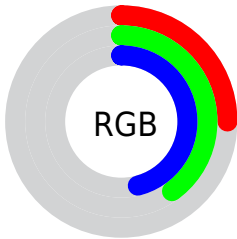
Format	Color
R_{YB}	64, 87, 118
Decimal	4220790
CIE _{Lab}	41.37, -9.42, -12.72
CIE _{LCh}	41, 15.826, 233.473
Yxy	12.0985, 0.2480, 0.2932
Android (android.graphics.Color)	4282410870 (0xFF406776)
YUV	93.0490, 12.3008, -25.4760
Hunter-Lab	34.7829, -8.3478, -7.9287

Details

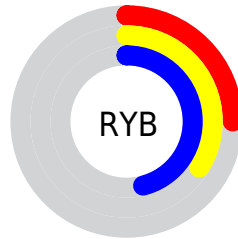
The XYZ color **10.2346, 12.0985, 18.9354** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1928, 9.8139, 6.1551**, and the grayscale version is **10.3931, 10.9343, 11.9075**.

A 20% lighter version of the original color is **25.8815, 29.6583, 42.3907**, and **2.6577, 3.3417, 6.2993** is the 20% darker color. If you saturate the color by 10%, you get **9.2274, 11.1050, 18.7969**, and if you desaturate by 10%, it is **11.4177, 13.2022, 19.0863**.

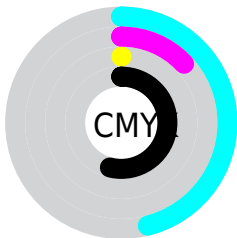
Distribution



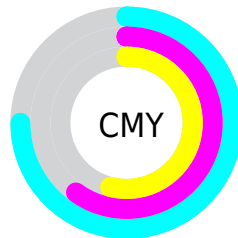
- Red (25%)
- Green (40%)
- Blue (46%)



- Red (25%)
- Yellow (34%)
- Blue (46%)



- Cyan (46%)
- Magenta (13%)
- Yellow (0%)
- Black (54%)



- Cyan (75%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2346, 12.0985, 18.9354 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 10.2346, 12.0985, 18.9354 by changing the saturation by 10% instead.

■ 10.2346, 12.0985,
18.9354

■ 10.2346, 12.0985,
18.9354

186.3572,
205.0563, 258.5027

■ 5.6182, 6.8108,
11.4473

■ 25.8815, 29.6744,
42.4602

■ 2.6528, 3.3441,
6.2506

■ 37.6428, 42.7313,
59.3339

■ 0.9729, 1.3139,
2.9268

■ 52.5164, 59.1468,
80.1732

■ 0.0000, 0.1519,
1.0574

■ 70.8677, 79.3053,
105.3966

■ 0.0000, 0.0000,
0.0000

■ 93.0621, 103.5911,
135.4228

119.4649,

132.3886, 170.6701

150.4415,
166.0822, 211.5573

■ 10.2346, 12.0985,
18.9354

■ 10.2346, 12.0985,
18.9354

■ 9.2274, 11.1050,
18.7969

■ 11.4177, 13.2022,
19.0863

■ 8.3846, 10.2147,
18.6695

■ 12.7853, 14.4199,
19.2493

■ 7.6948, 9.4219,
18.5528

■ 14.3464, 15.7568,
19.4250

■ 7.1447, 8.7194,
18.4462

■ 16.1094, 17.2174,
19.6140

■ 6.7097, 8.0943,
18.3485

■ 18.0821, 18.8058,
19.8167

■ 6.5363, 7.8405,
18.3087

■ 20.2718, 20.5261,
20.0333

■ 22.6854, 22.3821,
20.2643

■ 25.3296, 24.3773,
20.5101

■ 28.2108, 26.5153,
20.7709

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9.5907, 12.0985, 15.8556



10.2346, 12.0985, 18.9354



11.2501, 12.0985, 20.5066

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.2346, 12.0985, 18.9354



13.8352, 12.0985, 13.9051



10.6421, 12.0985, 8.1830

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.2346, 12.0985, 18.9354



11.1928, 9.8139, 6.1551

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.7521, 12.0985, 7.8369



10.2346, 12.0985, 18.9354



13.6456, 12.0985, 10.8118

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.2346, 12.0985, 18.9354



13.3662, 12.0985, 17.3064



12.8640, 12.0985, 8.7175



9.8148, 12.0985, 9.7568

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.2346, 12.0985, 18.9354



12.0213, 12.0985, 20.3285



12.8640, 12.0985, 8.7175



10.9925, 12.0985, 7.9314

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.2350, 12.0990, 18.9357



25.6415, 28.0547, 34.2006



9.9826, 14.6029, 9.5760



5.7788, 6.3523, 7.8505



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.2350, 12.0990, 18.9357



16.1264, 19.4257, 33.0366



8.0106, 7.6502, 18.1942



3.7014, 3.9915, 4.6656



7.0605, 8.4607, 19.8035



33.6595, 39.7355, 96.2560

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.7531, 8.4979, 13.8533



19.2600, 12.6118, 22.4070



13.4893, 14.4068, 6.9206



3.7853, 3.7414, 4.3963



9.8610, 4.8781, 9.7419



47.6765, 23.6207, 45.4872

Previews

White Background



This preview shows how the XYZ color 10.2346, 12.0985, 18.9354 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 10.2346, 12.0985, 18.9354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

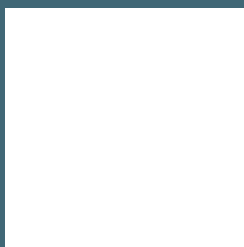
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2346, 12.0985, 18.9354

Background



This preview shows how black text looks on a background with the XYZ color 10.2346, 12.0985, 18.9354.

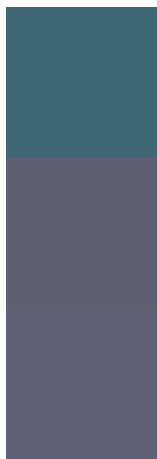


This preview shows how white text looks on a background with the XYZ color 10.2346, 12.0985,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.2346, 12.0985, 18.9354

Protanopia

11.8362, 11.9603, 17.6043

Deuteranopia

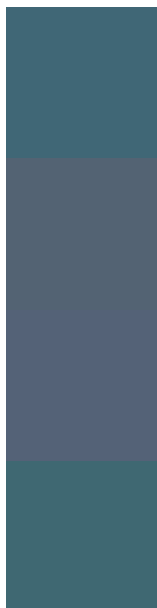
12.2017, 11.9734, 19.4373



Tritanopia

9.8616, 12.0946, 17.1440

Trichromacy



Original Color

10.2346, 12.0985, 18.9354

Protanomaly

11.1236, 12.0005, 17.9497

Deuteranomaly

11.3536, 11.9521, 19.1613

Tritanomaly

10.0375, 12.1723, 17.7400

Monochromacy



Original Color

10.2346, 12.0985, 18.9354

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1526, 11.3025, 14.2169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2346, 12.0985, 18.9354 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(64, 103, 118) looks like.

```
.text, #text, p{  
    color:rgb(64, 103, 118)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 103, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 103, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.2346, 12.0985, 18.9354 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 103, 118) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(64, 103, 118) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(64, 103, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 103, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 103, 118);  
box-shadow:4px 4px 4px 4px rgb(64, 103,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2346, 12.0985, 18.9354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 103, 118) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 103,  
118) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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